

Abstract of the Disclosure

Disclosed is an ATM adaptation layer apparatus. The ATM adaptation layer apparatus according to the invention includes
5 an ATM adaptation layer processor connected to an external Utopia level 2 matching device for processing and outputting a virtual path and a virtual channel of input/output cell data, an ATM routing processor having one end connected to the ATM adaptation layer processor and the other end connected to an
10 external ATM switch for processing a routing path of the input cell data, and a controller for downloading program data from outside, generating corresponding control signals, and outputting data on a communicating status to outside. Under the conventional technology, data services are provided in a
15 low speed in a narrow bandwidth, which is the worst drawback of the line exchanging method. Under the present invention, by contrast, the bandwidth is enhanced from a minimum 2M bps to a maximum 622M bps. Furthermore, dynamic image can be assisted in multimedia services recently provided through
20 mobile phones. In addition, the present invention is highly available and applicable to any kinds of hardware if it is a system using ATM cell data.